WHAT IS ORGAN DONATION?

Organ donation is the process of removing tissues or organs from a live, or recently dead, person to be used in another.

The former is the donor and the latter is the recipient.

People of all ages can become donors.
TYPES OF DONORS

• SOME ORGANS CAN BE DONATED BY A LIVING PERSON

ALMOST ALL ORGANS CAN BE DONATED BY SOMEONE DEAD BUT THIS HAS TO REACH THE RECIPIENT WITHIN A FEW HOURS AFTER THE DONOR’S DEATH.

IN CASE OF LIVE DONATION THE DONOR SHOULD GIVE HIS CONSENT.

IN CASE OF CADAVER DONATION, RELATIVES NEED TO PROVIDE CONSENT.
VOLUNTARY DONATION

ALMOST EVERYWHERE ORGAN DONATION IS VOLUNTARY

TWO VOLUNTARY SYSTEMS INCLUDE –
1. OPT IN - WHERE THE DONOR GIVES CONSENT
2. OPT OUT - WHERE ANYONE WHO HAS NOT REFUSED IS CONSIDERED AS A DONOR
THE NEED: ORGAN DONORS AND PATIENTS WAITING
1988 through 2000

- Organ Donors
- Patients Waiting
ORGAN DONOR CRITERIA

• AGE IS **GENERALLY** LESS THAN 80, BUT IS BASED ON PATIENT’S CURRENT MEDICAL HISTORY
• MEDICAL HISTORY IS EXAMINED AT THE TIME OF DEATH
• FREE OF HIV
  • ALL SEROLOGIES ARE EXAMINED AT TIME OF DEATH
• DEAD BY NEUROLOGIC CRITERIA
  • “BRAIN DEAD”
DEATH BY NEUROLOGICAL CRITERIA

• AN INDIVIDUAL WITH IRREVERSIBLE CESSATION OF ALL FUNCTIONS OF THE ENTIRE BRAIN, INCLUDING THE BRAINSTEM, IS DEAD.
ORGANS THAT CAN BE DONATED

- KIDNEYS
- EYES (CORNEA)
- HEART
- LUNGS
- LIVER
- PANCREAS
- SKIN
TISSUE DONOR CRITERIA

• DONATION OCCURS AFTER CARDIAC DEATH

• CRITERIA:
  • AGE < 70
  • RECOVERED WITHIN 24 HOURS AFTER DEATH IF BODY IS COOLED IN THE FIRST 12 HOURS
  • NO ACTIVE, TRANSMISSIBLE DISEASE
  • NO AUTOIMMUNE DISORDER
TISSUES THAT CAN BE DONATED

• HEART VALVES
• PERICARDIUM
• SKIN
• BONE - WHOLE OR PROCESSED GRAFTS
• VEINS
• FASCIA
• LIGAMENTS/TENDONS
• EYES--CORNEA, SCLERA, WHOLE EYES FOR RESEARCH
REASONS FOR ORGAN SHORTAGES

- Family consent, and negative attitude contribute towards organ donation.
- This could be due to the following reasons –
  - Religion
  - Fear, ignorance and misunderstanding
  - Legal aspects
  - Media reports on scandals involving organ rackets
COMMON CONCERNS ABOUT DONATION

• DISFIGUREMENT
• FUNERAL ARRANGEMENTS
• FINANCIAL RESPONSIBILITY
• RELIGIOUS BELIEFS
• “I CANNOT BE A DONOR BECAUSE OF MY MEDICAL HISTORY.”
• “IF I WANT TO BE A DONOR, THEY WON’T TRY AND SAVE ME!”
IMPROVING ORGAN DONATION

- IMPROVED PATIENT CARE TO FACILITATE EASIER APPROACH FOR ORGAN DONATION, IN CASE OF PATIENT DEATH
- TRAINED TRANSPLANT COORDINATORS AND GRIEF COUNSELORS
- IMPROVED HOSPITAL INFRASTRUCTURE
- QUALIFIED INTENSIVISTS AND SURGEONS
WHAT DOES A DONOR CARD LOOK LIKE?
ROLE OF SOCIETY IN ORGAN DONATION

Society plays a crucial role in transplant programs especially in case of cadaver transplants.

There is an urgent need for increased public awareness regarding organ donation and greater effort must be taken to dispel public concerns regarding the same.

Organ donation can give a new twist to tragedy. Remember "organs wasted are lives lost".
HOW MUCH DO ORGAN TRANSPLANTS COST?

• WHAT DO YOU THINK ARE THE COSTS INCURRED WITH AN ORGAN TRANSPLANT?
HOW MUCH DO ORGAN TRANSPLANTS COST?

• PART OF THE COST INCURRED WITH A TRANSPLANT IS DEPENDENT ON WHAT ORGAN IS BEING TRANSPLANTED:
  • FOR EX. ON AVERAGE:
    • KIDNEY ONLY-$246,000 IN FIRST YEAR
    • SINGLE LUNG--$399,000
HOW MUCH DO ORGAN TRANSPLANTS COST?

• FEES INVOLVED:
  • PREOPERATIVE TESTING, HOSPITALIZATION AND EVALUATION
  • SURGEON FEES
  • ANESTHESIA FEES
  • OPERATING ROOM COST
  • HOSPITAL STAY COST
  • X-RAYS
  • REHABILITATION FEES
  • ANTIREJECTION MEDS
  • ANY COST FROM COMPLICATIONS
  • NON-MEDICAL COST—TRAVEL, LOSS OF WORK OF PATIENT AND FAMILY, CHILD CARE DURING RECOVERY, ETC.
HOW DO THE FEES GET PAID?

• INSURANCE

  • COVERAGE VARIES
  • SOMETIMES YOU FIRST HAVE TO PAY A DEDUCTIBLE
  • THEN PAY CO-PAYS OR A PERCENTAGE OF THE TOTAL COST
  • A LOT OF PATIENTS CAN’T AFFORD THE COST ESPECIALLY IF THEIR ILLNESS HAS CAUSED THEM TO BE ON DISABILITY AND NOT BE ABLE TO WORK
SOME DONATION CONTROVERSIES

• WHO SHOULD BE TRANSPLANTED?
  • U.S. CITIZENS ONLY?
  • SMOKERS? ALCOHOLICS?
  • THE VERY YOUNG OR OLD?
  • THE RICH OR THE POOR?
  • THOSE IN PRISON?
  • ONLY THOSE WHO HAVE AGREED TO BE DONORS THEMSELVES?
SOME DONATION CONTROVERSIES

• HOW SHOULD ORGAN DONATION BE INCREASED?
  • FINANCIAL INCENTIVES
  • MORE PUBLIC EDUCATION?
  • PRESUMED CONSENT?
VIDEO CLIPS

- HTTPS://WWW.DONATELIFEKY.ORG/
- HTTPS://WWW.YOUTUBE.COM/WATCH?V=HUKX2A5HKIM